

(54) PRODUCTION OF DICYANAMIDE METAL SALT**(11)** 62-288102 (A) (43) 15.12.1987 (19) JP**(21)** Appl. No. 61-128406 (22) 3.6.1986**(71)** KYOWA GAS CHEM IND CO LTD (72) AKIRA NAKAMURA(3)**(51)** Int. Cl. ⁴ C01B23/46 C01C 3/16

PURPOSE: To produce a dicyanamide metal salt having high purity in high yield, by reacting ammonia with specific amounts of a cyanogen halide and a metal hydroxide based on said ammonia in an aqueous solvent.

CONSTITUTION: Ammonia is added to an aqueous solvent to a concentration of about 5~20wt% and 1 equivalent of the ammonia is made to react with 1.8~2.2 equivalent of a cyanogen halide and 2.8~3.3 equivalent of a metal hydroxide. The cyanogen halide is e.g. cyanogen chloride and the metal hydroxide is e.g. sodium hydroxide. The reaction is carried out at about 0~60°C for about 0.5~6hr. The produced dicyanamide metal salt is separated by filtration of the reaction mixture optionally after concentration. If necessary, the separated salt is purified by washing with cold water, etc. A high-purity dicyanamide metal salt can be produced at a yield of about ≥90%.

LEGENDE

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